

Please Reply To:
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July 28, 2015

Attorney Melanie Bachman Acting Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06501

EM-T-MOBILE-060-140305

T-Mobile Site ID CT11028A
119 Tanner Marsh Road., Guilford CT
Notice of Compliance with Conditions and Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council ("Council") acknowledged the above referenced T- Mobile Northeast LLC ("T-Mobile") notice of exempt modification on March 31, 2014. The Council imposed the following condition in its acknowledgment:

- The coax must be installed in accordance with the Structural Analysis Report prepared by American Tower Corporation stamped by Raphael I. Mohamed, dated February 25, 2014;
- Within 45 days following completion of the antenna installation, T-Mobile shall provide documentation certified by a professional engineer that its installation complied with the requirements of the structural analysis;
- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- · The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The attached PE Closeout Letter, dated July 27, 2015, provides evidence of compliance with the conditions outlined by the Council.

In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of July 31, 2014.

Please don't hesitate to contact me with any questions.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile

PAUL J. FORD & COMPANY



Date: July 27, 2015

Sam Simons **Engineering Development - Connecticut** T-Mobile 35 Griffin Road South Bloomfield, CT 06002

Paul J Ford and Company 250 E. Broad St., Suite 600 Columbus, OH 43215 614-221-6679

Subject:

Structural Opinion Letter

Carrier Designation:

T-Mobile Co-Locate Carrier Site Number:

Carrier Site Name:

EM-T-MOBILE-060-140305

CT11028A

Engineering Firm Designation:

Paul J Ford and Company Project Number: 79915-0010,001,8100

Site Data:

10 Tanner Marsh Road, Guilford, CT 06437 Latitude 41° 55' 18.1", Longitude -73° 2' 58.2"

190.6 Foot - Self-Supported Tower

Dear Sam Simons,

Paul J. Ford and Company is pleased to submit this "Structural Opinion Letter" for the structural integrity of the aforementioned self-supported tower. The purpose of the opinion letter is to determine the suitability of the self-supported tower with the proposed and existing loading as specified in Tables 1 & 2 on the next two pages. The opinion is consistent with the guidelines as stated in the 2005 Connecticut Building Code and the TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures using a fastest mile wind speed of 90 mph with no ice, 78 mph with 0.50 inch ice thickness and 50 mph under service loads.

Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from American Tower Corporation (job number 55591521, dated January, 10 2014) we have determined that loading is similar and should not change the opinions concluded by others.

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted by:

Corey McCartney, El Structural Designer

Table 1 - Proposed Antenna and Cable Information

| Mounting Level (ft) | Elevation | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) | Note |
|------------------------|-----------|--------------------------|-------------------------|--|----------------------------|---------------------------|------|
| 175.0 | 175.0 | 3 | ericsson | ERICSSON AIR 21 B2A B4P w/ Mount Pipe | 4 | 1-1/4 | 1 |
| | | 3 | ericssón | ERICSSON AIR 21 B4A B2P w/ Mount Pipe | | | |
| | | 3 | ericsson | KRY 112 144/1 | | | |

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (in) | Note |
|------------------------|-------------------------------------|--------------------------|-------------------------|-----------------------|----------------------------|---------------------------|------|
| 190.0 | 190.0 | 1 | diamond | X50A | 2 3 | 1/2 1-1/4 | 1 |
| | | 6 | andrew | DB408 | | | |
| | | 1 1 | tower mounts | Side Arm Mount | | | |
| | 183.0 | 3 | miscellaneous | RCU | 6 | 1-5/8 3/8 | 1 |
| 183.0 | | 3 | гfs | HBX-6516DS-A1M | | | |
| | | 1 | tower mounts | Side Arm Mount | | | |
| 175.0 | 175.0 | - | <u> </u> | | 12 | 1-5/8 | 1 |
| 163.0 | 163.0 | 6 | ericsson | RRUS 11 1900 MHz | 2 12 1 1 | 0.74 | 1 |
| | | 3 | kmw | AM-X-CD-14-65-00T-RET | | 0.74 1-1/4 | |
| | | 6 | cci | DTMABP7819VG12A | | 3 | |
| | | 6 | kmw | AM-X-CD-16-65-00T-RET | | 1/2 | |
| | | 1 | tower mounts | Sector Mount | | 0.28 | |
| 158.0 | 158.0 | 3 | antel | BXA-70063-6CF-EDIN-X | 12 | 1-5/8 | 1 |
| | | 6 | rfs | FD9R6004/2C-3L | | | |
| | | 3 | antel | BXA-171063-8BF-EDIN-X | | | |
| | | 6 | rfs | APL866513-42T0 | | | |
| | | 1 | tower mounts | Sector Mount | | | |
| 140.0 | 140.0 | 3 | miscellaneous | 4' Dish w/ Radome | 6 | 1-1/4 | 1 |
| | | 3 | andrew | DB408 | | | |
| | | 1 | tower mounts | Side Arm Mount | | | |
| 127.3 | 127.3 | 2 | shively | 6014-HW-2 | 1 | 3.5 | 1 |
| | | 1 | tower mounts | Leg Mount | | | |
| 125.2 | 125.2 | 1 | shively | 6600-H (w/ Radome) | 1 | 1-5/8 | 1 |
| | | 1 | tower mounts | Leg Mount | | | |
| 122.0 | 122.0 | 1 | scala | PR-950 | 1 | | 1 |
| | | 1 | tower mounts | Pipe Mount | | 7/8 | |

tnxTower Report - version 6.1.4.1

Notes: 1) Verified antenna/coax installation heights and quantities

| Mounting Level (ft) | Center Line Elevation (ft) | Number of Antennas | Antenna Manufacturer | Antenna Model | Number of Feed Lines | Feed Line Size (In) | Note |
|------------------------|-------------------------------------|--------------------------|-------------------------|-------------------------|----------------------------|---------------------------|------|
| 100.0 | 100.0 | 1 1 | sinclair | SD110-SFXPASNM | 6 | 7/8 | 1 |
| | | 2 | sinclair | \$D222 | | | |
| | | 3 | andrew | 1142-2cn | | | |
| | | 1 1 | tower mounts | T-Arm Mount | | | |
| 87.0 | 87.0 | 1 1 | antel | BCD-87010_4 | 1 | 1-5/8 | 1 |
| | | 1 1 | tower mounts | Side Arm Mount | | | |
| 80.0 | 80.0 | 5 | miscellaneous | 4' Dish w/ Radome | 5 | 1-1/4 | 1 |
| | | 1 | tower mounts | Pipe Mount | | | |
| 60.0 | 60.0 | 2 | sinclair | SD222 | 2 | 7/8 | 1 |
| | | 1 | tower mounts | Side Arm Mount | | | |
| 20.0 | .20.0 | 1 1 | sinclair | SY-203 | 9 | 1/2 | 1 |
| | | 8 | sinclair | SY-307 | | | |
| | | 1 | tower mounts | Leg Mount | | | |
| 16.0 | 16.0 | 1 | miscellaneous | Channel Master Type 120 | 1 | 0.28 | 1 |
| | | 1 | tower mounts | Pipe Mount | | | |

Notes: 1) Existing Equipment